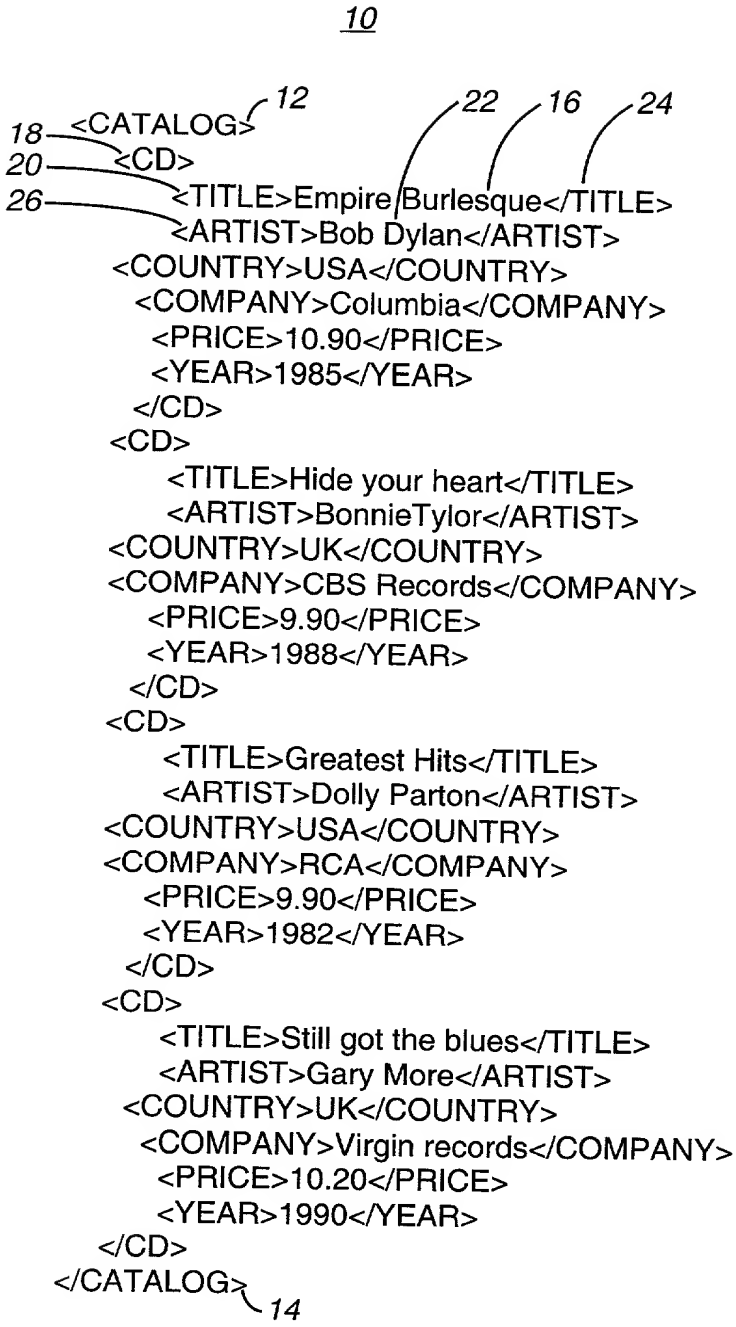
10
12
22
16
24
18
20
26
<CATALOG>
<CD>
<TITLE>Empire Burlesque</TITLE>
<ARTIST>Bob Dylan</ARTIST>
<COUNTRY>USA</COUNTRY>
<COMPANY>Columbia</COMPANY>
<PRICE>10.90</PRICE>
<YEAR>1985</YEAR>
</CD>
<CD>
<TITLE>Hide your heart</TITLE>
<ARTIST>BonnieTylor</ARTIST>
<COUNTRY>UK</COUNTRY>
<COMPANY>CBS Records</COMPANY>
<PRICE>9.90</PRICE>
<YEAR>1988</YEAR>
</CD>
<CD>
<TITLE>Greatest Hits</TITLE>
<ARTIST>Dolly Parton</ARTIST>
<COUNTRY>USA</COUNTRY>
<COMPANY>RCA</COMPANY>
<PRICE>9.90</PRICE>
<YEAR>1982</YEAR>
</CD>
<CD>
<TITLE>Still got the blues</TITLE>
<ARTIST>Gary More</ARTIST>
<COUNTRY>UK</COUNTRY>
<COMPANY>Virgin records</COMPANY>
<PRICE>10.20</PRICE>
<YEAR>1990</YEAR>
</CD>
</CATALOG>
14

FIG. 1

52
56
62
68
54
58
64
46
40
42
1,B,S,[ ],0,1,ND>MetaData>http://neocore.com/docMetaData:MetaData>http://neocore.com/docMetaData:TimeStamp>,
1,N,I,[ ],0,4,ND>MetaData>http://neocore.com/docMetaData:MetaData>http://neocore.com/docMetaData:DocID>,c:\testxml\testdoe.xml
1,N,E,[ ],0,4,ND>MetaData>http://neocore.com/docMetaData:MetaData>http://neocore.com/docMetaData:SchemaName>,schema
3,N,E,[ ],0,4,ND>MetaData>http://neocore.com/docMetaData:MetaData>http://neocore.com/docMetaData:InstructFileName>,ifile
1,N,E,[ ],0,2,ND>MyHeader>,Header
47
50
44
1,N,E,[ ],0,2,ND>CATALOG>CD>TITLE>,Empire Burlesque
16
66
1,N,E,[ ],5,4,ND>CATALOG>CD>ARTIST>Bob Dylan
48
1,N,E,[ ],5,4,ND>CATALOG>CD>COUNTRY>,USA
1,N,E,[ ],5,4,ND>CATALOG>CD>COMPANY>,Columbia
1,N,E,[ ],5,4,ND>CATALOG>CD>PRICE>,10.90
60
2,N,E,[ ],5,4,ND>CATALOG>CD>YEAR>,1985
1,N,E,[ ],5,3,ND>CATALOG>CD>TITLE>,Hide your heart
1,N,E,[ ],11,4,ND>CATALOG>CD>ARTIST>,Bonnie Tylor
1,N,E,[ ],11,4,ND>CATALOG>CD>COUNTRY>,UK
1,N,E,[ ],11,4,ND>CATALOG>CD>COMPANY>,CBS Records
1,N,E,[ ],11,4,ND>CATALOG>CD>PRICE>,9.90
2,N,E,[ ],11,4,ND>CATALOG>CD>YEAR>,1988
1,N,E,[ ],5,3,ND>CATALOG>CD>TITLE>,Greatest Hits
1,N,E,[ ],17,4,ND>CATALOG>CD>ARTIST>Dolly Parton
1,N,E,[ ],17,4,ND>CATALOG>CD>COUNTRY>,USA
1,N,E,[ ],17,4,ND>CATALOG>CD>COMPANY>,RCA
1,N,E,[ ],17,4,ND>CATALOG>CD>PRICE>,9.90
2,N,E,[ ],17,4,ND>CATALOG>CD>YEAR>,1982
1,N,E,[ ],5,3,ND>CATALOG>CD>TITLE>,Still got the blues
1,N,E,[ ],23,4,ND>CATALOG>CD>ARTIST>,Gary More
1,N,E,[ ],23,4,ND>CATALOG>CD>COUNTRY>,UK
1,N,E,[ ],23,4,ND>CATALOG>CD>COMPANY>,Virgin Records
1,N,E,[ ],23,4,ND>CATALOG>CD>PRICE>,10.20
2,N,E,[ ],23,4,ND>CATALOG>CD>YEAR>,1990

FIG. 2

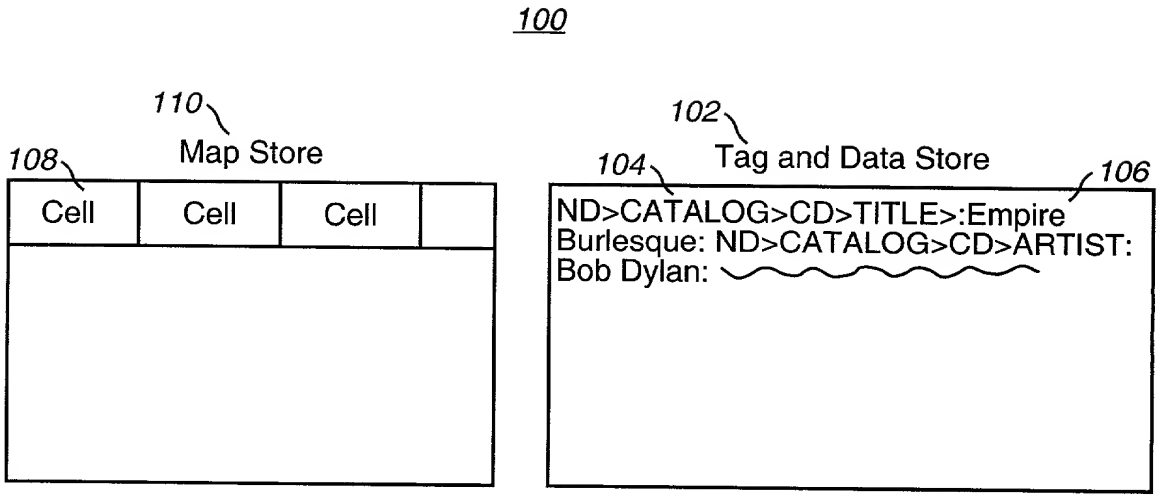
100
110
Map Store
108
Cell
Cell
Cell
102
Tag and Data Store
104
106
ND>CATALOG>CD>TITLE>:Empire
Burlesque: ND>CATALOG>CD>ARTIST:
Bob Dylan:

FIG. 3

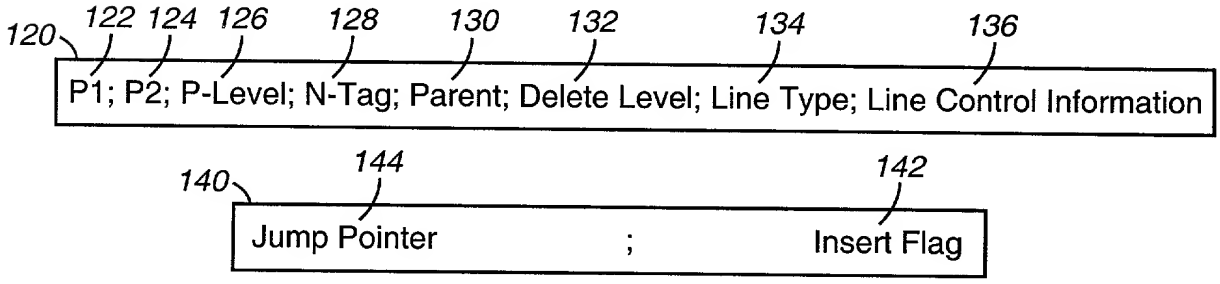
120
122
124
126
128
130
132
134
136
P1; P2; P-Level; N-Tag; Parent; Delete Level; Line Type; Line Control Information
140
144
142
Jump Pointer
;
Insert Flag

FIG. 4

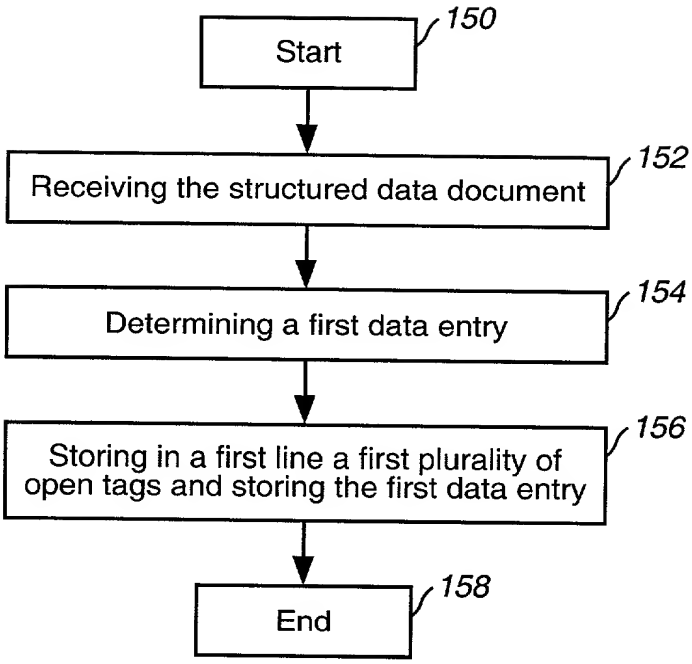
Start
150
Receiving the structured data document
152
Determining a first data entry
154
Storing in a first line a first plurality of open tags and storing the first data entry
156
End
158

FIG. 5

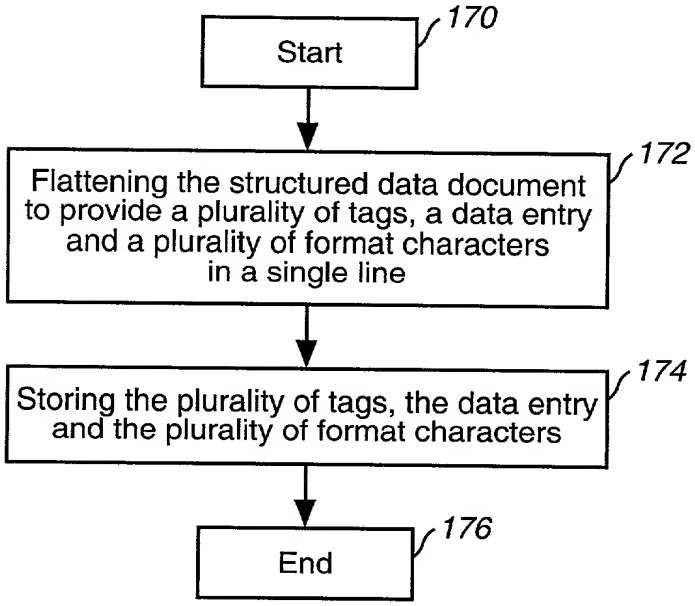
Start
170
Flattening the structured data document to provide a plurality of tags, a data entry and a plurality of format characters in a single line
172
Storing the plurality of tags, the data entry and the plurality of format characters
174
End
176

FIG. 6

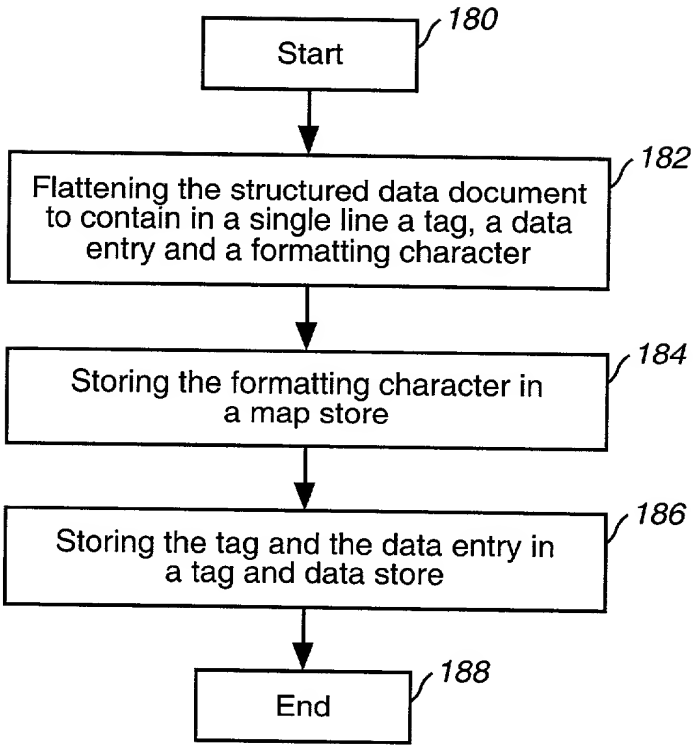
Start
180
Flattening the structured data document to contain in a single line a tag, a data entry and a formatting character
182
Storing the formatting character in a map store
184
Storing the tag and the data entry in a tag and data store
186
End
188

FIG. 7